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information based on the first data and the second data received by the receiver, the transmission power control information causing control of one of the first transmission power level and the second transmission power level independently of the other; and  
a transmitter for transmitting the transmission power control information to the other communication station,  
wherein the first data and the second data are multiplexed with each other.

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14. (Twice Amended) A communication station for transmitting first data and second data on a reverse-link and for receiving third data and fourth data on a forward-link in response to the first data and the second data, the communication station comprising:

a coder for coding the first data and the second data;

a multiplexer for multiplexing the coded first data and the coded second data with each other;

a transmitter for transmitting a signal including the first data and the second data that are multiplexed with each other to another communication station, the first data and the second data being transmitted at a first transmission power level and a second transmission power level, respectively;

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a receiver for receiving the third data and the fourth data;

a processor for separating transmission power control information from the third data and the fourth data;

a transmission power controller for controlling one of the first transmission power level and the second transmission power level independently of the other, based on the separated transmission power control information; and

a control information generator for generating further transmission power control information based on reception states of the third data and the fourth data, the further transmission power control information causing control of one of the third transmission power level and the fourth transmission power level independently of the other, wherein the further transmission power control information is transmitted together with the first data and the second data.

15. (Twice Amended) A communication system comprising:

a first communication station for transmitting a signal including first data and second data at a first transmission power level and a second transmission power level, respectively; and

a second communication station for receiving the first data and the second data transmitted from the first communication station, wherein:

the second communication station generates transmission power control information based on the received first and second data, and transmits the generated transmission power control information to the first communication station, and

the first communication station receives the transmission power control information from the second communication station, and controls one of the first transmission power level and the second transmission power level independently of the other based on the transmission power control information,

wherein the first data and the second data are multiplexed with each other.

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